

PATENT COOPERATION TREATY

PCT

**NOTIFICATION CONCERNING
SUBMISSION OR TRANSMITTAL
OF PRIORITY DOCUMENT**

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

HASHIZUME, Takeshi
13-17, Ginza 3-chome
Chuo-ku, Tokyo 104-0061
Japan

| | |
|--|---|
| Date of mailing (day/month/year) 06 October 2004 (06.10.2004) | |
| Applicant's or agent's file reference P0737PC | IMPORTANT NOTIFICATION |
| International application No. PCT/JP2004/011568 | International filing date (day/month/year) 05 August 2004 (05.08.2004) |
| International publication date (day/month/year) Not yet published | Priority date (day/month/year) 11 August 2003 (11.08.2003) |
| Applicant JAPAN SCIENCE AND TECHNOLOGY AGENCY et al | |

1. By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. (If applicable) The letters "NR" appearing in the right-hand column denote a priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
3. (If applicable) An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b) (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

| Priority date | Priority application No. | Country or regional Office or PCT receiving Office | Date of receipt of priority document |
|---------------------------|--------------------------|---|---|
| 11 Augu 2003 (11.08.2003) | 2003-291614 | JP | 24 Sept 2004 (24.09.2004) |

| | |
|--|--|
| The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 338.70.10 | Authorized officer Eric SANSON (Fax 338 7010) Telephone No. (41-22) 338 9999 |
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PCT

FIRST NOTICE INFORMING THE APPLICANT OF
THE COMMUNICATION OF THE INTERNATIONAL
APPLICATION (TO DESIGNATED OFFICES WHICH
DO NOT APPLY THE 30 MONTH TIME LIMIT
UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

| | | | |
|--|---|---|--|
| Date of mailing (day/month/year) 17 March 2005 (17.03.2005) | | To: HASHIZUME, Takeshi 13-17, Ginza 3-chome Chuo-ku, Tokyo 104-0061 JAPON | |
| Applicant's or agent's file reference P0737PC | | IMPORTANT NOTICE | |
| International application No. PCT/JP2004/011568 | International filing date (day/month/year) 05 August 2004 (05.08.2004) | Priority date (day/month/year) 11 August 2003 (11.08.2003) | |
| Applicant JAPAN SCIENCE AND TECHNOLOGY AGENCY et al | | | |

- ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does apply**, please see Form PCT/IB/308(Second and Supplementary Notice) (to be issued promptly after the expiration of 28 months from the priority date).
- Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:
17 February 2005 (17.02.2005)

CH

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

- The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1 :

LU, SE, TZ, UG, ZM

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

- TIME LIMITS for entry into the national phase**

For the designated Office(s) listed above, and unless a demand for international preliminary examination has been filed before the expiration of 19 months from the priority date (see Article 39(1)), the applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 20 MONTHS from the priority date.

In practice, time limits other than the 20-month time limit will continue to apply, for various periods of time, in respect of certain of the designated Offices listed above. For regular updates on the applicable time limits (20 or 21 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's sole responsibility to monitor all these time limits.

BEST AVAILABLE COPY

| | |
|---|---|
| The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland | Authorized officer Masashi Honda |
| Facsimile No.+41 22 740 14 35 | Facsimile No.+41 22 338 70 10 |

PCT

**SECOND AND SUPPLEMENTARY NOTICE
INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION (TO DESIGNATED OFFICES
WHICH APPLY THE 30 MONTH TIME
LIMIT UNDER ARTICLE 22(1))**

(PCT Rule 47.1(c))

To:

HASHIZUME, Takeshi
13-17, Ginza 3-chome
Chuo-ku, Tokyo 104-0061
JAPON

| | | | |
|--|--|--|--|
| Date of mailing (<i>day/month/year</i>) 15 December 2005 (15.12.2005) | | | |
| Applicant's or agent's file reference P0737PC | | IMPORTANT NOTICE | |
| International application No. PCT/JP2004/011568 | International filing date (<i>day/month/year</i>) 05 August 2004 (05.08.2004) | Priority date (<i>day/month/year</i>) 11 August 2003 (11.08.2003) | |
| Applicant JAPAN SCIENCE AND TECHNOLOGY AGENCY et al | | | |

- ATTENTION: For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), does not apply, please see Form PCT/IB/308(First Notice) issued previously.
- Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, does apply, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:
17 February 2005 (17.02.2005)

AU, AZ, BY, CN, CO, DZ, EP, HU, KG, KP, KR, MD, MK, MZ, NA, RU, SY, TM, US

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

- The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, does apply, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1 :

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BW, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KZ, LC, LK, LR, LS, LT, LV, MA, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, SC, SD, SG, SK, SL, TJ, TN, TR, TT, UA, UZ, VC, VN, YU, ZA, ZW

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. TIME LIMITS for entry into the national phase

For the designated or elected Office(s) listed above, the applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from the priority date.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain of the designated or elected Office(s) listed above. For regular updates on the applicable time limits (30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's sole responsibility to monitor all these time limits.

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The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

PCT

**NOTIFICATION CONCERNING
TRANSMITTAL OF COPY OF INTERNATIONAL
APPLICATION AS PUBLISHED OR REPUBLISHED**

To:

HASHIZUME, Takeshi
13-17, Ginza 3-chōme
Chuo-ku, Tokyo 104-0061
JAPON

Date of mailing (*day/month/year*)
17 February 2005 (17.02.2005)

Applicant's or agent's file reference
P0737PC

IMPORTANT NOTICE

International application No.
PCT/JP2004/011568

International filing date (*day/month/year*)
05 August 2004 (05.08.2004)

Priority date (*day/month/year*)
11 August 2003 (11.08.2003)

Applicant

JAPAN SCIENCE AND TECHNOLOGY AGENCY et al

The International Bureau transmits herewith the following documents:

copy of the international application as published by the International Bureau on 17 February 2005 (17.02.2005) under No. WO 2005/015737

copy of international application as republished by the International Bureau on under No. WO

For an explanation as to the reason for this republication of the international application, reference is made to INID codes (15), (48) or (88) (*as the case may be*) on the front page of the attached document.

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The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

PCT**INFORMATION CONCERNING ELECTED
OFFICES NOTIFIED OF THEIR ELECTION**

(PCT Article 31(7) and Rule 61.3)

To:

HASHIZUME, Takeshi
 13-17, Ginza 3-chome
 Chuo-ku, Tokyo 104-0061
 JAPON

| | | |
|--|--|--|
| Date of mailing (<i>day/month/year</i>) 11 August 2005 (11.08.2005) | | |
| Applicant's or agent's file reference P0737PC | | IMPORTANT INFORMATION |
| International application No. PCT/JP2004/011568 | International filing date (<i>day/month/year</i>) 05 August 2004 (05.08.2004) | Priority date (<i>day/month/year</i>) 11 August 2003 (11.08.2003) |
| Applicant JAPAN SCIENCE AND TECHNOLOGY AGENCY et al | | |

1. The applicant is hereby informed that the International Bureau has, according to Article 31(7), notified each of the following Offices of its election:
EP: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR
National: BG, CA, CN, CZ, DE, JP, KP, KR, MN, NO, PL, RO, RU, SK, US
2. The following Offices have waived the requirement for the notification of their election; the notification will be sent to them by the International Bureau only upon their request:
AP: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW
EA: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
OA: BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
National: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BR, BW, BY, BZ, CH, CO, CR, CU, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MW, MX, MZ, NA, NI, NZ, OM, PG, PH, PT, SC, SD, SE, SG, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW
3. Since the election(s) was (were) made after the expiration of 19 months from the priority date, the applicant is reminded that he must, subject to the following paragraph, enter the national phase within 20 months from the priority date (or later in some Offices) before some of the designated Offices in respect of which Article 22(1), as modified with effect of 1 April 2002, does not apply, by paying the national fee(s) and furnishing, if prescribed, a translation of the international application.

However, in respect of most other designated Offices, the time limit of 30 months (or later) may nevertheless apply. See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters, the *PCT Newsletter* and the WIPO Internet site, updated regularly.

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The International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

特許協力条約

PCT

国際調査報告

(法第8条、法施行規則第40、41条)
[PCT18条、PCT規則43、44]

| | | |
|-------------------------------|--|---------------------------|
| 出願人又は代理人 の書類記号 P0737PC | 今後の手続きについては、様式PCT/ISA/220 及び下記5を参照すること。 | |
| 国際出願番号 PCT/JP2004/011568 | 国際出願日 (日.月.年) 05.08.2004 | 優先日 (日.月.年) 11.08.2003 |
| 出願人（氏名又は名称） 独立行政法人科学技術振興機構 | | |

国際調査機関が作成したこの国際調査報告を法施行規則第41条（PCT18条）の規定に従い出願人に送付する。
この写しは国際事務局にも送付される。

この国際調査報告は、全部で 3 ページである。 この調査報告に引用された先行技術文献の写しも添付されている。

1. 国際調査報告の基礎

a. 言語は、下記に示す場合を除くほか、この国際出願がされたものに基づき国際調査を行った。
 この国際調査機関に提出された国際出願の翻訳文に基づき国際調査を行った。b. この国際出願は、ヌクレオチド又はアミノ酸配列を含んでいる（第I欄参照）。2. 請求の範囲の一部の調査ができない（第II欄参照）。3. 発明の単一性が欠如している（第III欄参照）。4. 発明の名称は 出願人が提出したものを承認する。 次に示すように国際調査機関が作成した。

5. 要約は

 出願人が提出したものを承認する。 第IV欄に示されているように、法施行規則第47条（PCT規則38.2(b))の規定により国際調査機関が作成した。出願人は、この国際調査報告の発送の日から1ヶ月以内にこの国際調査機関に意見を提出することができる。

6. 図面について

a. 要約書とともに公表される図は、
第 2 図とする。 出願人が示したとおりである。 出願人は図を示さなかったので、国際調査機関が選択した。 本図は発明の特徴を一層よく表しているので、国際調査機関が選択した。b. 要約とともに公表される図はない。

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A. 発明の属する分野の分類(国際特許分類(IPC))

Int. C1.7 H03H21/00, G05B13/02, H04B3/23, H04B7/005,
H04R3/00, H04S7/00, G10K11/178

B. 調査を行った分野

調査を行った最小限資料(国際特許分類(IPC))

Int. C1.7 H03H21/00, G05B13/02, H04B3/23, H04B7/005,
H04R3/00, H04S7/00, G10K11/178

最小限資料以外の資料で調査を行った分野に含まれるもの

| | |
|-------------|------------|
| 日本国実用新案公報 | 1922-1996年 |
| 日本国公開実用新案公報 | 1971-2004年 |
| 日本国登録実用新案公報 | 1994-2004年 |
| 日本国実用新案登録公報 | 1996-2004年 |

国際調査で使用した電子データベース(データベースの名称、調査に使用した用語)

IEEE

C. 関連すると認められる文献

| 引用文献の カテゴリー* | 引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示 | 関連する 請求の範囲の番号 |
|-----------------|--|------------------|
| Y | JP 2002-135171 A (科学技術振興事業団) 2002. 05. 10, | 1-6, 13-17 |
| A | 段落【0018】～【0070】、【0077】、【図1】 & US 2004-59551 A1 & WO 2002/035727 A1 | 7-12 |
| Y | NISHIYAMA, K. 'Robust estimation of a single complex sinusoid in white noise-H _∞ filtering approach.', In: IEEE Transactions on Signal Processing, USA, 1999, Vol. 47, pp. 2853-2856 | 1-6, 13-17 |
| A | | 7-12 |

 C欄の続きにも文献が列挙されている。 パテントファミリーに関する別紙を参照。

* 引用文献のカテゴリー

「A」特に関連のある文献ではなく、一般的技術水準を示すもの

「E」国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの

「L」優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献(理由を付す)

「O」口頭による開示、使用、展示等に言及する文献

「P」国際出願日前で、かつ優先権の主張の基礎となる出願

の日の後に公表された文献

「T」国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの

「X」特に関連のある文献であって、当該文献のみで発明の新規性又は進歩性がないと考えられるもの

「Y」特に関連のある文献であって、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの

「&」同一パテントファミリー文献

国際調査を完了した日

09. 11. 2004

国際調査報告の発送日

22.11.2004

国際調査機関の名称及びあて先

日本国特許庁 (ISA/JP)

郵便番号 100-8915

東京都千代田区霞が関三丁目4番3号

特許庁審査官(権限のある職員)

甲斐 哲雄

5W

3139

電話番号 03-3581-1101 内線 3575

| C (続き) 関連すると認められる文献 | | |
|---------------------|---|-----------------------|
| 引用文献の カテゴリー* | 引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示 | 関連する 請求の範囲の番号 |
| Y A | JP 7-185625 A (新日本製鐵株式会社) 1995.07.25, 段落【0021】，【図2】 (ファミリーなし) | 1-6, 13-17 7-12 |
| Y | NISHIYAMA, K, et al. 'H _o -learning of layered neural networks ' , In: IEEE Transactions on Neural Networks, USA, 2001, Vol. 12, pp. 1265-1277 | 2 |

特許協力条約

発信人 日本国特許庁（国際調査機関）

出願人代理人

橋爪 健

様

あて名

〒 104-0061

東京都中央区銀座3丁目13番17号

PCT

国際調査報告及び国際調査機関の見解書
又は国際調査報告を作成しない旨の決定
の送付の通知書
(法施行規則第41条)
〔PCT規則44.1〕

発送日

(日.月.年)

22.11.2004

出願人又は代理人
の書類記号

P0737PC

今後の手続きについては、下記1及び4を参照。

国際出願番号

PCT/JP2004/011568

国際出願日

(日.月.年)

05.08.2004

出願人（氏名又は名称）

独立行政法人科学技術振興機構

1. 国際調査報告及び国際調査機関の見解書が作成されたこと、及びこの送付書とともに送付することを、出願人に通知する。
 PCT 19条の規定に基づく補正書及び説明書の提出
 出願人は、国際出願の請求の範囲を補正することができる（PCT規則46参照）。
 いつ 補正書の提出期間は、通常国際調査報告の送付の日から2月である。
 どこへ 直接次の場所へ The International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland
 Facsimile No.: (41-22) 740.14.35
 詳細な手続については、添付用紙の備考を参照すること。

2. 国際調査報告が作成されないこと、及び法第8条第2項（PCT 17条(2)(a)）の規定による国際調査報告を作成しない旨の決定及び国際調査機関の見解書をこの送付書とともに送付することを、出願人に通知する。

3. 法施行規則第44条（PCT規則40.2）に規定する追加手数料の納付に対する異議の申立てに関して、出願人に下記の点を通知する。

- 異議の申立てと当該異議についての決定を、その異議の申し立てと当該異議についての決定の両方を指定官庁へ送付することを求める出願人の請求とともに、国際事務局へ送付した。
- 当該異議についての決定は、まだ行われていない。決定されしだい出願人に通知する。

4. 今後の手続： 出願人は次の点に注意すること。
 優先日から18月経過後、国際出願は国際事務局によりすみやかに国際公開される。出願人が公開の延期を望むときは、国際出願又は優先権の主張の取下げの通知がPCT規則90の2.1及び90の2.3にそれぞれ規定されているように、国際公開の事務的な準備が完了する前に国際事務局に到達しなければならない。
 いくつかの指定官庁については、出願人が国内段階の開始を優先日から30月まで（官庁によってはさらに遅くまで）延期することを望むときは、優先日から19月以内に、国際予備審査の請求書が提出されなければならない。そうでなければ、出願人はそれらの指定官庁に対して優先日から20月以内に、国内段階の開始のための所定の手続を取らなければならない。
 その他の指定官庁については、19月以内に国際予備審査の請求書が提出されない場合にも、30月の（あるいはさらに遅い）期限が適用される。
 様式PCT/IB/301の付属書類を参照。個々の指定官庁で適用される期限の詳細については、PCT出願人の手引、第II巻、国内段階およびWIPOインターネットサイトを参照。

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| | 電話番号 03-3581-1101 内線 3575 | | |